Curriculum Overview for Nursery with Extra Activities for Younger Children – Frodsham Primary Academy

(Black focus objectives are for N2 children and some N1 children)

(Blue focus objectives are related objectives for younger children who have started Nursery in the term after their 2nd birthday)

Mathematics					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cardinality & Counting 1.1 1.1 Accurate and consistent verbal counting to 5 Singing Songs with number range 1-3 **Measures** 1.1 Understand and use specific attributes to compare height (taller and shorter rather than big and small) Understand and respond to language of big and small **Spatial Reasoning** 1.1 Understand and use simple language of position that doesn't vary by viewpoint (in, on, under, next to) Understand and respond to simple language of position in play (in, on)	**Cardinality & Counting** 2.1 one-to-one correspondence and cardinality to 3 2.2 subitising 1 and 2 Noticing one and lots **Measures** 2.1 Understand and use specific attributes to compare length (long, short) Understand and respond to language of bigger and smaller **Spatial Reasoning** 2.1 Understand and use language of position that can vary by viewpoint (in front, behind) Understand and respond to simple language of direction (up, down)	**Cardinality & Counting** 3.1 one-to-one correspondence and cardinality to 5 3.2 subitising 3 Singing Songs with number range 1-5 **Measures** 3.1 Understand and use specific attributes for width and thickness (wide, narrow, thick, thin) Understand and respond to language of long, tall and short **Spatial Reasoning** 3.1 Understand and use everyday language of direction (up, down, through, over, under) Understand and respond to simple language of position (in, on, under)	**Cardinality & Counting** 4.1 Begin to recognise numerals and match to sets Noticing pairs of objects and beginning to say 2 for this quantity **Measures** 4.1 Understand and use specific attributes for weight/mass (heavy light, heavier, lighter) Understand and respond to language of heavy and light **Spatial Reasoning** 4.1 Understand and use language of movement (forwards, backwards, sideways, turn) Alongside 4.1 Understand and respond to language of movement (forwards backwards)	**Cardinality & Counting** 5.1 Conservation of number to 5 with order irrelevance Developing Counting like behaviours **Comparison** 5.1 Compare sets of objects – which has more, fewer – just by looking Notice when a set has considerably more (no need to count) and respond to word more **Measures** 5.1 Time – sequence of events (first, next, after, before, morning, afternoon, evening, yesterday, tomorrow) Understand and respond to language of now and next/later Make links to regular events in routine e.g. lunchtime **Spatial Reasoning** 5.1 Discuss routes and the order and location of things seen extending vocab (in between, above, below, around, beside, across, along) Understand and respond to language of turn/rotate	**Cardinality & Counting** 6.1 Accurate and consistent verbal counting to 10 Developing Counting Like behaviours **Composition** 6.1 Separate a group of three or four objects in different ways Understand and respond to language of enough/not enough **Comparison** 6.1 Making equal sets Understand and respond to language of the same **Measures** 6.1 Understand and use specific attributes for capacity (full, empty, part, full) Understand and respond to words linked to capacity like pour, fill, empty and full **Spatial Reasoning** 6.1 Understand and use language of distance (far away, near, how far?) Understand and respond to language of turn over/flip

Shape 1.1 Explore rotating and flipping objects to make a match (posting boxes, inset puzzles, jigsaws) Play with Shape sorters and nesting cups – link to spatial words above Learn to line up blocks to make paths **Sorting & Sequencing** 1.1 Sort by a single property – colour Colour matching and using colour words blue, red and white Patterned songs and rhymes with simple actions	**Shape** 2.1 Explore construction with 3D shapes – combining shapes in two dimensions Learn to stack blocks in a tower using flat surfaces. Stack then knock down – link to spatial words above **Sorting & Sequencing** 2.1 Sort by 2 properties - colour and size Colour matching and using colour words yellow, green and black Patterned songs and rhymes with simple actions	**Shape** 3.1 Explore pattern and picture making with 2D pattern blocks Try to match colours and shapes on very simple shape images. with 2D pattern blocks or simple inset puzzles with pictures in the holes **Sorting & Sequencing** 3.1 Sort using different combinations of properties (size attributes linked to measure, colour and shape) Colour matching and using colour words orange, purple and pink Patterned stories with simple actions	**Shape** 4.1 Begin to notice properties of 3D shape and find shapes that are the same Learn to stack blocks in a tower more efficiently by choosing biggest to go at the bottom and selecting lots of blocks that are the same **Sorting & Sequencing** 4.1 Simple AB sequences varying colour or size (continue and copy patterns) Colour matching and using colour words brown, and grey	**Shape** 5.1 Explore more complex construction with 3D shapes – combining shapes to make arches and enclosures Play with simple inset puzzles where you need to turn the pieces to fit and make links to spatial vocab above **Sorting & Sequencing** 5.1 Simple AB sequences of sounds, actions and objects (make own patterns) Size matching and using words big and small	**Shape** 6.1 Begin to notice properties of 2D shapes and find shapes that are the same including on the faces of 3D shapes Try to match colours and shapes on simple Numicon images and make links to spatial vocab above

This sample long term plan is supported by a series of 5 courses and 34 sample weekly plans.
For some sample activities for younger pre-school children, please watch the recorded zoom session.

First 4 Maths Academy

Reception Curriculum Overview 2024-2025 - Frodsham Primary Academy

Mathematics

Autumn 1 (7 weeks)	Autumn 2 (7 weeks)	Spring 1 (6 weeks)	Spring 2 (7 weeks)	Summer 1 (6 weeks)	Summer 2 (7 weeks)
Cardinality & Counting 1.1 Accurate counting of sets of objects 1-5 NB S1 episodes 9 & 10 (1:1 correspondence, cardinality) 1.2 Subitising 1-3 NB S1 episodes 1-4 (Introducing 1, 2 and 3) 1.3 Numeral Recognition to 5 **Composition** 1.1 Conceptual subitising - noticing numbers within numbers **Comparison** 1.1 Compare sets 1-5 using vocab of more / fewer / most /fewest **Shape/Space** 1.1 2D shapes and their properties **Pattern** 1.1 AB & ABC patterns (complete, copy, make own and identify unit of repeat)	**Cardinality & Counting** 2.1 Accurate counting of sets of objects 1-10 2.2 Recognising and ordering numerals 1-10 2.3 Subitising 1-5 NB S1 episodes 6 & 7 (Introducing 4 and 5) **Composition** 2.1 Applied conceptual subitising NB S1 episode 11 (Stampolines) 2.2 Inverse operations - splitting and recombining sets of objects 1-5 including on part whole model NB S1 episode 12 (Whole of me) **Comparison** 2.1 Compare numbers using vocab of more/less 2.2 Find 1 more using sets of objects on tens frames and on a number track	**Cardinality & Counting** 3.1 Counting backwards 10-1 & ordering numbers 10-1 **Composition** 3.1 Systematic approach to partitioning sets of objects 1-5 including on part whole model NB S1 episode 14 (Holes) **Comparison** 3.1 Find 1 less using sets of objects on tens frame and on a number track **Shape/Space** 3.1 Spatial vocabulary (in front, behind, in between, on, in, under, first second, third) 3.2 3D shapes and their properties **Pattern** 3.1 More complex patterns – ABB, ABBC	**Composition** 4.1 Recall number bonds for numbers 1-5 4.2 Partitioning and recombining sets of objects 6-9 Including on part whole model and tens frame NB S2 episodes 1-5 (Introducing 6-10) 4.3 Systematic approach to splitting and recombining 10 including on tens frame and part whole model **Measures** 4.1 Mass **Shape/Space** 4.1 Representing spatial relationships as maps Spatial vocabulary (forwards, backwards, up, down, across) **Numerical Patterns** 4.1 Staircase patterns linked to finding 1 more/1 less using a mental numberline (link to Comparison) NB S2 episodes 6 & 7 (Just add one & 10 green bottles)	**Cardinality & Counting** 5.1 Counting beyond 10 noticing pattern in ones **Composition** 5.1 recall some number bonds for 10 NB S2 Episode 13 (Blast Off!) **Measures** 5.1 Height & Length (1.1) **Numerical Patterns** 5.1 Odds & Evens NB S2 episode 11 (Odds & Evens) 5.2 Symmetry/reflections – link to doubles 5.3 Share fairly (link to comparison), Use part whole model to partition numbers where both parts are the same (link to Composition) and Look at halving as inverse of doubles NB S2 episode 9 (Double Trouble)	**Cardinality & Counting** 6.1 Counting beyond 20 noticing pattern in tens **Composition** 6.1 Recall and apply number bonds for 4, 5 and 10 including doubles **Measures** 6.1 Capacity 6.2 Time – sequence of events **Shape/Space** 6.1 Relationships between shapes **Pattern** 6.1 Generalising pattern and transferring to another format e.g. link pattern of shapes to movements Possible Extension Sharing between more than two including on a part whole model NB S2 episode 8 (Counting Sheep) NB S2 episode 10 (The three threes)

Frodsham Primary Academy - Long Term Mathematics Plan – Year 1/Year 2

Week Beginning	2nd September 2024 2 days	9th September 2024	16th September 2024	23rd September 2024	30th September 2024	7th October 2024	14th October 2024
Aut 1	Plan 1 Place value to 10 Place value to 100	Plan 1 Place value to 10 Place value to 100	Plan 1 Place value to 10 Place value to 100	Plan 1 Place value to 10 Place value to 100	Plan 1 Place value to 10 Place value to 100	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)

Week Beginning	4th November 2024	11th November 2024	18th November 2024	25th November 2024	2nd December 2024	9th December 2024	16th December 2024
Aut 2	Assessment Week	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)	Plan 2 Addition and subtraction to 10 Addition and subtraction (part 1 no bridging)	Plan 3 Place Value within 20 (part 1 no number lines) Statistics	Plan 3 Place Value within 20 (part 1 no number lines) Statistics

Week Beginning	6th January 2025	13th January 2025	20th January 2025	27th January 2025	3rd February 2025	10th February 2025
Spr 1	Plan 3 Place Value within 20 (part 1 no number lines) Statistics	Plan 4 Addition and Subtraction to 20 Addition and Subtraction (part 2 bridging)	Plan 4 Addition and Subtraction to 20 Addition and Subtraction (part 2 bridging)	Plan 4 Addition and Subtraction to 20 Addition and Subtraction (part 2 bridging)	Plan 4 Addition and Subtraction to 20 Addition and Subtraction (part 2 bridging)	Plan 5 Geometry: Properties of Shape Geometry: Properties of Shape

Week Beginning	24th February 2025	3rd March 2025	10th March 2025	17th March 2025	24th March 2025	31st March 2025	7th April 2025
Spr 2	Assessment Week	Plan 5 Geometry: Properties of Shape Geometry: Properties of Shape	Plan 6 Money PV beyond 20 (part 1 counting in tens, read write and represent numbers to 100)	Plan 6 Money PV beyond 20 (part 1 counting in 10s read write and represent numbers to 100)	Plan 7 Place Value beyond 20 (part 2 counting in 2s, 5s) Place Value (counting in 2s 3s 5s)	Plan 8 Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division	Plan 8 Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division

			Money	Money			

Week Beginning	21st April 2025 4 days	28th April 2025	5th May 2025 4 days	12th May 2025	19th May 2025	26th May 2025
Sum 1	Plan 8 Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division	Plan 8 Multiplication and division Place Value beyond 20 (part 3) Multiplication and Division	Plan 9 Measures Height and Length Recap All Measures SAT Style questions	Plan 10 Fractions – half and quarter of objects & shapes Fractions – unit fractions & non-unit fractions of lengths and shapes	Plan 10 Fractions – half and quarter of quantities Fractions – unit fractions of sets of objects or numbers - non unit fractions of sets of objects or numbers	Plan 10 Place Value within 20 (part 2 placing numbers on marked and blank number lines, numbers as words) Fractions – non unit fractions of sets of objects or numbers comparing and on number lines

Week Beginning	2nd June 2025	9th June 2025	16th June 2025	23rd June 2025	30th June 2025	7th July 2025	14th July 2025
Sum 2	Assessment Week	Plan 13 Geometry: Position and direction Geometry Position and Direction	Plan 11 Measures – Practical mass – direct comparison through to non-standard units and introducing standard units Measures Mass incorporating practical investigations	Plan 12 Measures – Practical capacity – direct comparison, nonstandard units and intro to standard units Measures Capacity and temperature incorporating practical investigations	Plan 14 Measures – Time Measures – Time	Plan 14 Measures – Time Measures – Time	Plan 14 Measures – Time Measures – Time

Week Beginning	2nd September 2024 2 d ys	9th September 2024	16th September 2024	23rd September 2024	30th September 2024	7th October 2024	14th October 2024
Aut 1	Number nd Pl ce V lue Number nd Pl ce V lue	Number nd Pl ce V lue Number nd Pl ce V lue	Number nd Pl ce V lue Number nd Pl ce V lue	Number nd Pl ce V lue Number nd Pl ce V lue	Number nd Pl ce V lue Number nd Pl ce V lue	Rec ll of ddition nd subtr ction key f cts Number nd Pl ce V lue	Addition nd Subtr ction Addition nd Subtr ction

Week Beginning	4th November 2024	11th November 2024	18th November 2024	25th November 2024	2nd December 2024	9th December 2024	16th December 2024
Aut 2	Assessment Week	Addition nd Subtr ction Addition nd Subtr ction	Addition nd Subtr ction Addition nd Subtr ction	Addition nd Subtr ction Addition nd Subtr ction	Addition nd Subtr ction Addition nd Subtr ction	Addition nd Subtr ction Addition nd Subtr ction	Multiplic tion nd Division Multiplic tion nd Division

Week Beginning	6th J nu ry 2025	13th J nu ry 2025	20th J nu ry 2025	27th J nu ry 2025	3rd Febru ry 2025	10th Febru ry 2025
Spr 1	Multiplic tion nd Division Multiplic tion nd Division	Multiplic tion nd Division Multiplic tion nd Division	Multiplic tion nd Division Multiplic tion nd Division	Multiplic tion nd Division Multiplic tion nd Division	Fr ctions Fr ctions	Fr ctions Fr ctions

Week Beginning	24th Febru ry 2025	3rd M rch 2025	10th M rch 2025	17th M rch 2025	24th M rch 2025	31st M rch 2025	7th April 2025
Spr 2	Assessment Week	Fr ctions Fr ctions	Decim ls Decim ls	Money Decim ls/Money	Money Decim ls/Money	Money linked to 4 oper tions Money linked to 4 oper tions	Sh pe - Geometry Sh pe - Geometry

Week Beginning	21st April 2025 4 d ys	28th April 2025	5th M y 2025 4 d ys	12th M y 2025	19th M y 2025	26th M y 2025

Sum 1	Sh pe - Geometry Sh pe - Geometry	Sh pe Sh pe-Position nd Direction	Me sure – Length Me sure – Length	Me sure – Perimeter Perimeter nd Are	St tistics St tistics	Me sure – Time Me sure – Time

Week Beginning	2nd June 2025	9th June 2025	16th June 2025	23rd June 2025	30th June 2025	7th July 2025	14th July 2025
Sum 2	Assessment Week	Me sure – Time Me sure – Time	Me sure – Time Me sure – Time	Me sure – Time Me sure – Time	St tistics St tistics	Me sure – Weight Me sure - Weight	Me sure – C p city Me sure – C p city

Frodsham Primary Academy - Long Term Mathematics Plan – Year 5/Year 6

Week Beginning	2nd September 2024 2 days	9th September 2024	16th September 2024	23rd September 2024	30th September 2024	7th October 2024	14th October 2024
Autumn 1	Number and place value Number and place value	Number and place value Number and place value	Number and place value Number and place value	Number and place value Number and place value	Addition and subtraction Addition and subtraction	Addition and subtraction Addition and subtraction	Addition and subtraction Addition and subtraction

Week Beginning	4th November 2024	11th November 2024	18th November 2024	25th November 2024	2nd December 2024	9th December 2024	16th December 2024
Autumn 2	Multiplication and division Multiplication and division	Multiplication and division Multiplication and division	Multiplication and division Multiplication and division	Multiplication and division Multiplication and division	Multiplication and division Statistics	Multiplication and division Statistics	Consolidation of areas identified in assessments. Geometry – Shape

Week Beginning	6th January 2025	13th January 2025	20th January 2025	27th January 2025	3rd February 2025	10th February 2025
Spring 1	Fractions Fractions	Fractions Fractions	Fractions Fractions	Fractions Fractions	Decimals Decimals	Decimals Decimals

Week Beginning	24th February 2025	3rd March 2025	10th March 2025	17th March 2025	24th March 2025	31st March 2025	7th April 2025
Spring 2	Decimals Decimals	Percentages Percentages	F/D/P Problems and consolidation Ratio and Proportion	Geometry – Shape Algebra	Geometry – Shape Geometry – Shape	Geometry – Shape Geometry – Shape	Geometry – Position and Direction Geometry – Position and Direction

Week Beginning	21st April 2025 4 days	28th April 2025	5th May 2025 4 days	12th May 2025	19th May 2025	26th May 2025
Summer 1	Measures/Decimals Measures/Decimals	Measures Measures	Measures Consolidation of all topics	Measures SATs	Measures Measures	Measures Measures

Week Beginning	2nd June 2025	9th June 2025	16th June 2025	23rd June 2025	30th June 2025	7th July 2025	14th July 2025
Summer 2	Geometry – Shape Geometry – Shape	Geometry – Shape Geometry – Shape	Geometry – Position and Direction Geometry – Position and Direction	Statistics Ratio and Proportion	Statistics Algebra	Substantial problems/consolidation Substantial problems/investigations	Substantial problems/consolidation Substantial problems/investigations